

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365227

Luminaire Tested: **FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8040-F6LBXVM1-MW-BTR89BI
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, CLEAR RFI 0.125", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 641.9 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

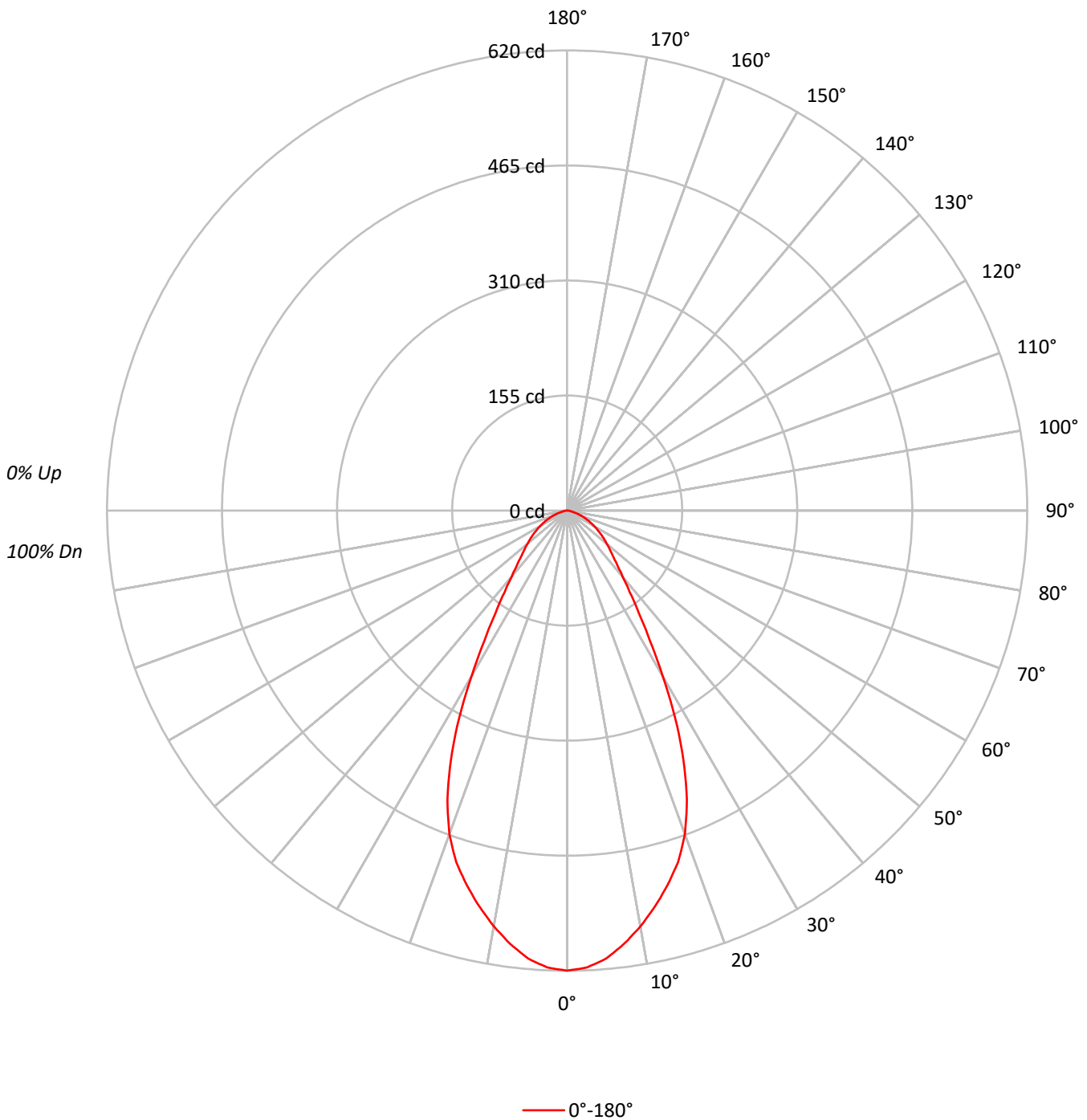
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98		99	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	91	85	80	96	89	84	79	86	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51		59	54	50		58	54	50	48
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44386
5°	43542
10°	41348
15°	38724
20°	35348
25°	29303
30°	21257
35°	14702
40°	10871
45°	8891
50°	7797
55°	6941
60°	6043
65°	5151
70°	4103
75°	2960
80°	2144
85°	2465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	8.8
10°-20°	146.1	22.8
20°-30°	167.1	26.0
30°-40°	108.3	16.9
40°-50°	69.1	10.8
50°-60°	49.7	7.7
60°-70°	30.2	4.7
70°-80°	12.0	1.9
80°-90°	2.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	369.7	57.6
0°-40°	478.1	74.5
0°-60°	596.9	93.0
0°-90°	641.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	620	
5°	606	57
15°	522	146
25°	371	167
35°	168	108
45°	88	69
55°	56	50
65°	30	30
75°	11	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	619.9
2.5°	616.1
5°	605.8
7.5°	588.7
10°	568.7
12.5°	546.5
15°	522.4
17.5°	496.8
20°	463.9
22.5°	421.6
25°	370.9
27.5°	315.3
30°	257.1
32.5°	207.1
35°	168.2
37.5°	138.6
40°	116.3
42.5°	100.0
45°	87.8
47.5°	78.2
50°	70.0
52.5°	62.6
55°	55.6
57.5°	48.5
60°	42.2
62.5°	36.3
65°	30.4
67.5°	24.8
70°	19.6
72.5°	15.2
75°	10.7
77.5°	7.4
80°	5.2
82.5°	3.3
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)